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ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXVII No. 6

P. O. Box 1704, ORANGE, CA. 92668

June 1986

JUNE 28 - 29



**It's
Supercalifragilisticexpiali-
docious!**



1986 CLUB BOARD of DIRECTORS

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CLUB APPOINTMENTS

Club Historian	Bob Evans	WB6IXN	543-9111
W6ZE Trustee	Bob Eckweiler	AF6C	639-5074
R.F. Editor	Bob Evans	WB6IXN	543-9111
Teen Representative	<open>		

CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at:
MERCURY SAVINGS & LOAN
1095 Irvine Blvd. (4th St becomes Irvine)
Tustin, Ca. Talk-in on 146.55 MHz

Jun 20th
Jul 18th
Aug 15th (Take the 4th St. exit to the 55 FREEWAY
and head east. Continue about two blocks
past Newport Blvd. on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at:
MIMI'S CAFE
17231 17th Street
Tustin, Ca. (714) 544-5522
Aug 2nd
(55 FREEWAY at 17th Street east.)

CLUB NETS

BAND	MODE	DAY OF WEEK	LOCAL TIME	FREQ MHz
2 Meters	FM	Wednesday	2100 hrs.	146.550
15 Meters	SSB	Wednesday	2000 hrs.	21.375
15 Meters	CW	Sunday	2000 hrs.	21.175

(Listen for W6ZE, net control)

*** THE PREZ SEZ ***

Well THAT month has finally rolled around once again! I hope I don't have to tell anyone that Field Day is upon us.

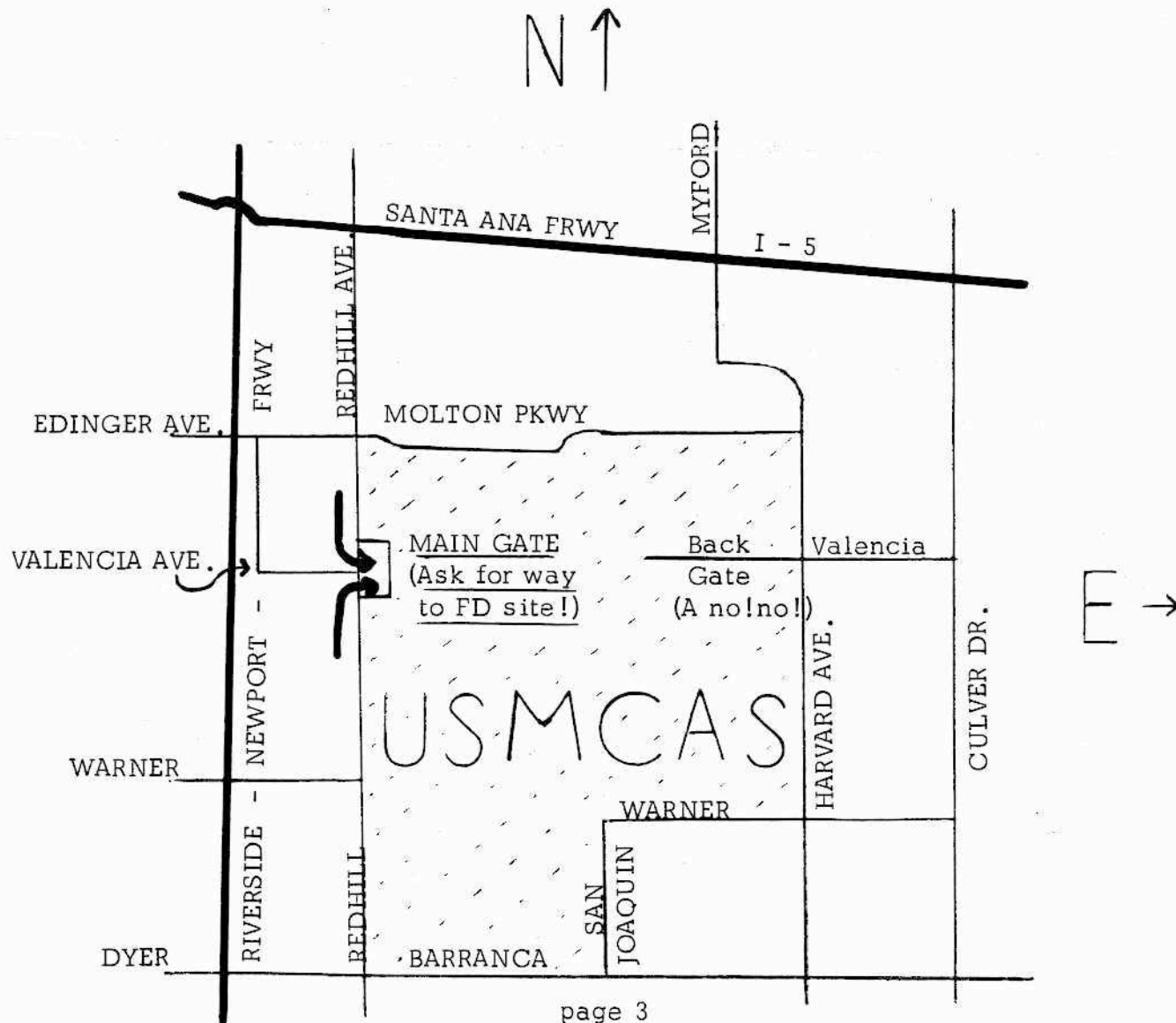
This month's meeting topic will naturally be Field Day, past & present. Field Day is the only contest I participate in, for several reasons: First, I am too busy for any other contest; and second, the primary reason for our existence is PUBLIC SERVICE!

Thanks to the good Lord, our play at emergencies has been minimal, but we can look back less than a year ago and see catastrophic earthquakes in Mexico City...And amateur radio came through once again. Granted that the hams in the U.S. were on the better end of communications, we in Orange County & Southern California have been on the bitter end in emergency communications. Dwelling and brush fires, a tornado in Fullerton several years ago, etc., all point up to the fact that we, as license holders, owe the public a service - EMERGENCY COMMUNICATIONS!

This 24 hour period we call 'Field Day' is a fun time to practice our 'away-from-the-shack' techniques. I hope that all club members participate and bring a fellow ham to help us have FUN!

de Frank, WA6VKZ, President

*** FIELD DAY SITE MAP ***



*** FIELD DAY MEMORIES ***

The June meeting will feature HHC with his slides and comments on past Field Days. Also Joe, FZV, may show his video tapes of last Field Day. Come join us and enjoy this traditional program! Also join in with us as we plan for a gala Field Day on June 28 & 29, FOR YOU ALL KNOW THAT YOU ARE INVITED AND URGED TO ATTEND!!

Although we have a fabulous time eating, logging, operating, ragchewing, etc., we must never forget the true reason for Field Day...EMERGENCY PREPAREDNESS!!

Will YOU have fun?...Well...don't forget, some of us haven't missed a Field Day for over 20 years! So don't you miss meeting or Field Day! See you there...

*** ON THE NETS ***

The May 4 CW net (21.175) found Karl, KB6IEH, and IXN discussing the airshow that IEH attended. Karl is also a pilot. We also talked about a waning Halley's comet...AF6C opened the phone net on 21.375 on May 7. NGO described the fuel system he rigged for the Club generator for Field Day (3 gerry cans in series, all inter-switchable, abt 16 gals to start!) Wayne, K6RQD, and George, W6ZHD, report in. AF6C will go to Palo Alto next week...5/11 - No one answers IXN's call for check-ins on the 21.175 CW net... 5/14 - With AF6C in Palo Alto, & IXN suddenly called to a finance committee meeting, COJ, Dave, GDZ, Wilbur, & TBU, Frank, had to 'fend' for themselves on 21.375. Rag chewing was the order of the evening...The May 18 CW net fared no better than that of May 11..no chedk-ins!...5/21 - 'Mercedes' Ted, LJA, that is, put out a call for ideas on neatly mounting a 20 m. mobile antenna on his new Mercedes. AF6C brought the matter to our attention on 21.375. Besides IXN, COJ, GDZ, & LAD, John, reported in. AF6C suggested LAD try an extra length of coax for operation of his 40 m. dipole on 20 m. ie: to lower the SWR. Hotel rooms 'up north', Advanced Computer Products' Swap Meet, AMSAT's use of packet radio to spread news, and something about 'champaign & Bob Tegel'? (How did that get in my notes!!), were additional topics of discussion...HHC was net control for 2 m. on Feb. 14 & 21...The 5/25 CW net was a ditto of 5/11 & 5/18. ...IBR calls and reports check-ins for the 2 m. net on 5/14. Joining in on the 'ragchew' were BPX, Wyatt; EZP, Ron; & NG7D, John. For the 5/21 2 m. net, IBR reported another good check-in with HHC, BPX, AF6C, & NG7D, John, all firing up their rigs to report in! ...The 5/28 21.375 phone net responses were good following AF6C's call for check-ins. NGO, IXN, & OOH all exchanged interesting info! Don, OOH, was out cleaning up the shack & was informed by harmonic, Kevin, that Tennessee Valley Indians were cross-hatching his TV screen..And talk abt 20 m. DX..OOH calmly hears BY5RF, Reon, calling CQ. And hearing no replies, Don decides to answer. Result?... Don and Reon have a nice QSO, in English, wid no pile-ups! Oh, the luck of some OMs!!..If AF6C gets the address for a company that sells various 'cereal cards' for computers, we will list it in "RF"..Also, Bob, don't forget the newspaper article abt the CBer and his irrate neighbor, for "RF"... The 5/28 2 meter net featured IBR as net control. Reporting in were MIL, Mack; BPX, Wyatt; AF6C, Bob; RE, Alex; EXP, Ron; & HHC, Ken. The main 'ragchew' centered around Ken & Bob's work on the Club generator, and a line filter to eliminate generator noise... Why not get in on the fun? Fire up the old rigs on the 15 and 2 meter nets and ENJOY!!!

*** WITH THE CLUBS ***

PACKET RADIO is spoken at the SO. CAL. AMATEUR RADIO COMPUTER CLUB on the 4th Sunday of the month at 1:30 pm., at Mercury Savings & Loan, Lincoln at Valley View. Everyone welcome! ****

General Dynamics A.R.C. presents a SWAP MEET for ham radio, computers & electronics every 2nd Saturday of the month, 7:30 till 11:00am., at GD Valley Systems Division. Go to 4th St. east of Haven, 1 block north of the San Bernardino Fwy off I-10 take Haven Ave. off-ramp north to 4th in Rancho Cucamonga and turn right, 1/2 block to Swap Meet...June 14, July 12, Aug. 9, Sept. 13, etc...Everyone welcome to buy or sell...coffee, donuts, sodas available...Restrooms provided...Talk-in on 146.91...WB6KQY. ****

Our sister society of ARRL in Mexico mediates between you and the Ministry of Communications & Transports for operating permits for U.S. amateurs of General Class or higher to operate amateur equipment in Mexico on a courtesy basis. At least 6 wks. in advance of your visit, send the society the following papers in triplicate:

1. A form containing your name, nationality, home address, class of your FCC license, call sign, country issuing your license (Estados Unidos), Date when your operation begins, date when your operation ends, (Model number, make, color, license number of your automobile), (place, day, month, year of your birth), your signature, passport number, Mexican visa number, your auto registration number, and your travel itinerary.
2. Photocopy of your passport
3. Photocopy of your Mexican visa number
4. Photocopy of your automobile registration card
5. Photocopy of your FCC license

The address of the society is: Liga Mexicana de Radio Experimentadores (LMRE)
P.O. Box 907
06000 Mexico, D.F.
Tel: 563-14-05 and 563-22-64

WARNING: Unless you have a Mexican operating permit with you, do NOT take amateur radio equipment. Unauthorized equipment will be confiscated by the authorities at the border.

*** HAS YOUR LICENSE EXPIRED? ***

Check your license expiration date NOW! If your license was issued prior to January 1, 1984, you may renew it any time during the five-year grace period beginning with its expiration date. You will be assigned a new call if you renew more than two years into that five-year period! If the full five-year grace period has elapsed, you lose your call and must be retested! If your license was issued January 1, 1984, or later, your grace period is two years! If the grace period has expired, you have lost your call and you will have to be retested! If you apply for renewal under the grace period, you must not operate until your new license arrives.

FCC Form 610s, which can be used to renew or modify your license, are available for an SASE from ARRL Hdqtrs., 225 Main St., Newington, CT 06111.

*** YOUTH FORUM A FEATURE OF 1986 ARRL NATIONAL CONVENTION ***

Your teenage harmonics might be interested in attending the Youth Forum to be led by Astronaut Tony England, WØORE. Tony and other experts will expose teenagers to the latest in ham radio "high tech" with "hands-on" demos. See registration form this issue of "RF".

ALL DUMMIES AREN'T IN CANS... (Uncle Augie's Corner by Bob, NBADA) The other night decided to check in and see what some of my cronies on 75 were doing but when I called in, no one recognized me. Finally after several calls someone said, "Is that you, Augie? I can just barely hear you. Turn on your kicker." I hollered, "I got it on" and he said "Something's wrong, you're way down in the soup."

Oh! Oh! I thought, my relay is dirty. Since I hate open relays, I tore into the rig. I'll just clean those contacts says I. Well you know, when I tried to get some crocus cloth on those points, I found the smart alec that designed the relay had put plastic stiffeners just where you have to slide the cloth, so it wouldn't work. Aha! You can't stop old Augie, I'll loosen the screws just enough to separate the parts and clean the contacts and then retighten. So, I loosen the screws, not enough, just a little more, not enough, just a little more - then plink, plink, plink as 25 washers, spacers, screws, etc. spread all over the inside of the cabinet. (Several sentences were censored here, Ed.)

After two hours of sorting and reassembly work, (got it together wrong three times) I finished. Then it struck me, I forgot to clean the points when I had it apart. So once more it came apart. I finally got the dag nab thing reassembled and called George down the road on the land line to listen for me. He came on and said "boy, Augie I can hardly hear you, take it off the dummy load and put on an antenna. " "Dag gone it, George, you know I wouldn't do a stupid thing like leaving it on a dummy load, so I switch it -- Well I'll be a !:@&5\$" ([-."

(Tnx RF Carrier via RA RA RAG, via NARC NEWSETTE)

our 'oldtimers' are now! Who knows! Maybe we will get a few of them back to a meeting, ie: Dr. Marinus Conway, W6UPP, or 'dogpatcher' Hugh Davis, W6YBI, to name a couple!...COJ donated two pix of 1968 Field Day which will be included in the Santa Ana Library Club History file...Our fearless leader, Frank, VKZ, won the free oil change at IND's garage.



ARRL 1986 NATIONAL CONVENTION
September 5, 6, & 7, 1986



MEETING SITE
TOWN & COUNTRY HOTEL & CONVENTION CENTER
SAN DIEGO, CALIFORNIA

● To Reserve a Room at the Convention Hotel or Obtain Reduced Airline Fares, Call Toll Free: California (800) 542-6082, USA (800) 854-2608. Ask for ARRL Convention Rates.

CONVENTION INFORMATION HOTLINE: (619) 292-7918

REGISTRATION DATA FORM (Print or Type)

Mail With Check Payable to:

SANDARC, PO BOX 82642, San Diego, CA 92138

Pick Up Tickets and Badges at the door

Name _____ Call _____

Street _____

City _____ State _____ ZIP _____

Make Badges As Follows:

Call _____ Name _____ City _____

Call _____ Name _____ City _____

Call _____ Name _____ City _____

HOW MANY		COST	AMOUNT
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___ Advance Registrations	@ 7.00	_____
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___ Registration After 8/15/86	@ 10.00	_____
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___ Banquet (Prime Rib) (1st 1100)	@ 25.00	_____
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___ Dinner Cruise (1st 200)	@ 33.00	_____
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___ International Bkfast (1st 500)	@ 10.00	_____
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Total Enclosed	\$	_____
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18 Years & Under No Charge For Admission At Door

*** AT LAST MEETING ***

Dan Peters, NY6U, club member & Falcon Communications Rep., gave an excellent technical talk on amplifiers. If you weren't there, you missed a goody! Dan very cleverly pointed out various 'myths' we have about matching amplifiers to our rigs, etc...Old time, Ernie Fuerte, WA6GXV, won the amplifier donated by NY6U. With the return of COJ, N6UC, GXV, (and hopefully TBU in the near future) it seems like 'old times' at club meetings once more! I will be sending ULU a 1974 roster. He has promised to do an article(s) for future 'RFs' on where many of

*** 'Twas PORTA-POTTY INTERFERENCE ***

'Twas 0900 zulu this unique Field Day
With W6ZE at the Marine Corps Base.
The 'Greenhorns' (novices) all housed in their tent
Had little idea what 'interference' meant.

IMP on 20 with IXN logging
Recorded our QSO's, barely pausing.
When over in the porta-potty there rose CQ clatter,
We sprang from our chairs to see what was the matter!

We threw open the door, but all was silent.
We looked for a gremlin hidden nearby us.
The 'crapper' now quiet in stark sanitation
Defied us to find a 'CQ' explanation!

"CQ contest" .. Chris blurted the sentence.
'CQ' in CW boomed the Stool of Repentance!
Once more we rushed to this QRN toilet
To find the source of this 'chatter' and foil it!

And what did our wondering ears now detect?
A wall socket breaker causing this defect!
We rushed from our trailer to the 'Greenhorns' next door
In hopes of finding the 'PPI' source.

The 'Greenhorns' all nestled unique at their station;
Two green horns were sewn on each cap of distinction!
On Ron, EZT, and John, EZU, and Jim, EZV
They had just loaded a whip antenna on eigh-ty.

The trio were sending 'CQ' with great care
Unaware of the PPI located there!
Kay Nelson & Joe Partlow, awaiting their tickets
Watched Chris at the rig attempt to adjust it.

The SWR was found to be high
A 10 to 1 ratio brought a chorus of sighs.
The mis-match removed renews novice committment
And quiets the Throne of Relief and Contentment!
de WB6IXN

*** CLUB MEETING MINUTES FOR 5/16/86 ***

The USMCAS (Helicopters) in Tustin (Santa Ana to oldtimers) has granted permission to use the Base for Field Day. OCARC Field Day team captains are: (see p. 8)

*** CLUB CHANGES ADDRESS ***

The Club P.O. Box 1704, Orange, CA., will soon expire! Our new address will be P.O. Box 3454, Tustin, CA. 92681. "RF" readers & Club members please make note of the new address now!!

*** RADIO-KILLER ON LOOSE ***

AF6C found the article below in a local newspaper dtd May 20.
(TNX, Bob)

Intruder shoots CB radio

An armed man apparently in search of a clear television picture shot a citizens-band radio in La Habra early Tuesday, police said.

The owner of the radio, Dennis Carrico, 35, was not harmed, but his \$500 CB was destroyed.

"It was the radio he was after," police Capt. Herb Johnson said. "He killed it."

Johnson said Carrico was talking on the radio in his open garage at 12:27 a.m. when he "sensed that someone else was there."

When Carrico looked up, he saw a stranger with a gun standing over him. The man told him to turn off the radio and move away from it, Johnson said.

Carrico obeyed, and the intruder shot the radio three times, then walked away, Johnson said.

Although La Habra police said there is no record of complaints about CB radios causing any television reception problems for residents, Johnson said it is believed that's what triggered the gunman's ire.

The intruder was described as a white male with blond hair, about 45 years old, 5 feet 8 inches tall and weighing 155 pounds.

(Club Meeting Minutes cont'd)

Novice 10 & 15 meters: Kevin, KB6IND
40 meters: Al, W6IBR

20 meters: Ken, W6HHC
75, 80, & 2 meters: Frank,
WA6VKZ

\$150.00 was approved for food and other expenses. Board meetings were changed to the first Monday after the first Saturday, at 7:30 PM. Next meeting will be June 9 at the Jane Watts residence. Treasurer's report: \$332.00 checking; \$462.00 Savings. The Club has loaned \$223.00 to the Generator Fund.

The program featured Dan Peters, NY6U, Falcon Communications, who presented 4 myths about Power Amplifiers, which are: 1) Power amps are designed to match transistor impedance. 2) The output impedance of the amplifier matches the load. 3) For maximum life, operate at lower power. 4) R.F. amplifiers are cleverly designed to eliminate tuning.

Fried, WA6WZO, announced the status of the proposal to expand the Novice license. Ernie Fuerte, WA6GXV, was a visitor. Attendance = 29. Adjournment at 9:20 PM. Respectfully submitted, Ken/W6HHC, OCARC Secretary

*** BOARD



MEETING ***

The Board meeting was called to order by Pres. VKZ at 7:30 PM on 6/9/86 in the Jane Watts residence. All members were present except Joe Partlow; Jane Watts & Bob Evans also attended. Wilbur Galusha, WB6GDZ, claims to be a member of the Club, but no evidence of his membership, past or present, can be found. HHC will send away for the ARRL Log Package for Field Day. Food for Field Day was discussed, a menu appearing in this "RF". Participation Awards for Field Day were discussed:

- 1) A calligrapher will prepare Field Day certificates for those who sign the Field Day Log!
- 2) At noon on Sunday, a drawing will award a prize to a Field Day participant. (Price of gift between 5 & 8 dollars)
- 3) Those that are present for set-up, tear-down, or otherwise greatly participate in Field Day activities, and/or stay the complete 24 hrs, will be eligible for the grand prize drawing. (Award not to exceed \$15.00).

IBR conveyed a suggestion from the Anaheim ARS that all Orange County clubs participate in a common Xmas banquet. The Board suggested an OCC picnic in place of an inter-club Xmas banquet. The Club has a new address: P.O. Box 3454, Tustin, CA. 92681. Meeting adjourned around 9:00 PM.

Respectfully submitted, Ken/W6HHC,
OCARC Secretary

*** FIELD DAY 1986 ***

The Club will provide ham, potato salad, cole slaw, pasta salad, buns, etc. How does that sound for Sat. night dinner!? Oh, and don't forget the cakes and cookies which will be there for snacks! Sunday breakfast will include bacon, scrambled eggs, Danish, and orange juice! Makes your mouth water, doesn't it?!

Be sure you check the Field Day Site Map on page 3. Come through the Main Gate, stop at the Guard Station, & the MP will give you directions to the Field Day Site. Talk-in will be on 146.55 simplex. Field Day will be held on Sat., June 28 & Sun., June 29. If you are going to help us set up, please try to be at the Field Day Site by 7:00 AM on

(FD 1986 cont'd):

Saturday. Band Captains & their teams should provide their own soft drinks, etc. Don't forget to bring lawn chairs, tables, lamps, sockets, tools, allergy pills, pencils, pencil sharpeners, etc. And FZV, bring the W6ZE banner when you come. Kei, NGO, will provide two towers for 20, 40, & 75 meter antennas. Kevin, IND, will operate the novice station on 10 & 15 meters. AF6C will provide some log sheets, and NGO & IBR will provide ground rods. Come one! Come All! And enjoy!!

*** IMPORTANT INFO. FROM THE ARRL LETTER ***

March 28, 1986

Information from The ARRL Letter may be reproduced in whole or part in any form including photoreproduction and electronic databanks, providing credit is given to The ARRL Letter and to the American Radio Relay League.

o FCC Legislative Requests

The FCC has presented a number of legislative requests to Congress, some of which affect Amateur Radio. Among these are a request for a new Section 333 of the Communications Act, which would make willful and malicious interference subject to the more severe criminal sanctions specified in Section 501. That Section provides for a fine up to \$10,000 or imprisonment for up to one year, or both, for a first offense (a misdemeanor) and the same fine limitation and up to two years imprisonment for repeated offenses (a felony). The amendment would allow the Commission to initially seek immediate criminal prosecution by the US Attorney, and seizure of the offending radio equipment.

o ARRL Program for the Disabled Handbook

Several thousand copies of the ARRL Program for the Disabled Handbook by former ARRL staffer Kitty Hevener, WB8TDA, have been distributed through an arrangement with the Courage HANDI-HAM system. The manager of the Courage HANDI-HAM System, Keith Graham, K0HJC, writes "The book is a splendid effort, well conceived and executed...we'll be most happy to cooperate in any way we can on future editions." Copies of the handbook are available to disabled persons free from HQ.

o Cancelling a License of a Silent Key

The FCC no longer deletes calls of Silent Keys unless its cancellation is specifically requested. Since the term of an amateur license is now 10 years, the family of the deceased amateur could continue to receive correspondence, which is sent based upon FCC records, for that period. In order to avoid this correspondence, families of deceased amateurs are urged to send the license, or a letter if a license cannot be found, to FCC, Consumer Affairs Office, Gettysburg, PA 17325, requesting cancellation of the license.

o International Travel Host Exchange

Traveling to another country this summer? Perhaps you would rather spend a day or two in the home of a licensed radio amateur there, or simply meet with local amateurs. If you're not vacationing this summer, maybe you are willing to accommodate a visiting amateur in your home? How can you contact these amateurs? Read on! At the 1984 Board of Directors annual meeting, a new program was established to further promote international good will and friendship -- the International Travel Host Exchange Program (ITHE). The ARRL and other interested sister societies serve as information sources which have on file, and share with one another, the names and addresses of amateurs who are interested in exchanging vacations with, accommodating, or just meeting amateurs of other countries. HQ has registered over 150 amateurs in 28 states, and amateurs in 28 countries. A list of all the ITHE participants is available from the ARRL for a business-size SASE. If you wish to register for the program, please request an ITHE registration form.

o A Friendly Reminder from Uncle Charlie!

The FCC has asked us to remind amateurs that transmitting equipment used in other services (except MARS and the like) must be type-accepted. Much two-meter equipment available today can be made to work on frequencies considerably above and below this amateur band. Amateurs should bear in mind, while it may be a great temptation to do so, the use of gear converted from the Amateur Service to another service is not permitted.



ARRL Letter cont'd:

JY2RBH, World's Youngest Ham

Congratulations to King Hussein, JY1, and Queen Noor, JY2NH, on the birth of their 4th child, Her Royal Majesty Princess Raya. In keeping with recent Jordanian tradition, she has been assigned the call JY2RBH.

de AF6C (tnx, Bob)

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Falcon Communications, Well Known for MOSFET Repeater Power Amplifiers. Also Makes A Hard Working Line of Bipolar Power Amplifiers For Mobile Use. Our 2 Meter Mobile Amplifiers include:

Model 5121	2 Watts in = 150 out 1 Watt in = 90 ou.	List \$285
Model 5122	10 Watts in = 150 out 2 Watts in = 50 out	List \$275
Model 5123	30 Watts in = 150 out 10 Watts in = 90 out	List \$235
Model 6126	10 Watts in = 75 out 2 Watts in = 30 out	List \$170
Model 4109	plug in receive pre-amp 12 db gain 2 db noise figure	List \$36

A FEW FEATURES:

1) Made in the USA	4) Automatic COR or remote keying
2) All mode (FM, SSB, CW)	5) Built in thermal protection
3) Optional plug-in receive preamp	6) Full 1 Year warranty

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(714) 760-3622

ORANGE COUNTY AMATEUR RADIO CLUB

P. O. BOX 1704

ORANGE, CA. 92668

Vol. XXVII No. 6 - June 1986



FIRST CLASS!